

Solubility of Ionic Compounds at SATP

		Anions						
		Cl^- , Br^- , I^-	S^{2-}	OH^-	SO_4^{2-}	CO_3^{2-} , PO_4^{3-} , SO_3^{2-}	$\text{C}_2\text{H}_3\text{O}_2^-$	NO_3^-
Cations	High solubility (aq) ≥ 0.1 mol/L (at SATP)	most	Group 1, NH_4^+ Group 2	Group 1, NH_4^+ Sr^{2+} , Ba^{2+} , Tl^+	most	Group 1, NH_4^+	most	all
	Low Solubility (s) < 0.1 mol/L (at SATP)	Ag^+ , Pb^{2+} , Tl^+ , Hg_2^{2+} (Hg^+), Cu^+	most	most	Ag^+ , Pb^{2+} , Ca^{2+} , Ba^{2+} , Sr^{2+} , Ra^{2+}	most	Ag^+	none

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Cations	High solubility (aq) ≥ 0.1 mol/L (at SATP)	most	Group 1, NH_4^+ Group 2	Group 1, NH_4^+ Sr^{2+} , Ba^{2+} , Tl^+	most	Group 1, NH_4^+	most	all
	Low Solubility (s) < 0.1 mol/L (at SATP)	Ag^+ , Pb^{2+} , Tl^+ , Hg_2^{2+} (Hg^+), Cu^+	most	most	Ag^+ , Pb^{2+} , Ca^{2+} , Ba^{2+} , Sr^{2+} , Ra^{2+}	most	Ag^+	none